

381,513

New description
14.04.1999

page 23

PCT/DE98/00853
INT118WO

ABSTRACT

5 The invention relates to a device for cutting wood or other materials with a saw blade clamping device for radially and/or axially fixing circular saw blades mounted axially displaceable on a drive shaft.

10 According to the invention support bodies (3) are provided axially displaceable on the drive shaft (1) for each one circular saw blade e.g. (2a). The axial displacement of the circular saw blades e.g. (2a) takes place by guide spindles e.g. (7) running parallel to the axis of the drive shaft and passing through the support bodies e.g. (3).

15 At least one clamping element (21) is mounted in the drive shaft 1, 20. The clamping element (21) is mounted radially displaceable. In a first stage the circular saw blades e.g. (2a) which are mounted on the support bodies (3) are thereby displaced. In a second stage the circular saw blades e.g. (2a) or support bodies e.g. (3) are connected to the drive shaft in keyed and/or force locking engagement.

25 Through the device according to the invention a displacement of the cutting width is possible without the time and labour intensive dismantling of the saw blades. The support bodies for the circular saw blades are narrower than the known displacement heads for multi-blade
30 circular saws. A larger number of circular saw blades can thereby be fitted on one axis.

Figure 5.

AMENDED PAGE

09381573.091799